Abstract

1   PWM AC power is supplied to an induction motor or other AC load. The

2   frequency and magnitude of the waveforms is controlled by detecting the peak

3   voltage or width of the reverse EMF pulses at the commencement of the power

4   waveform applied to the load, and then adjusting the applied AC power based on

5   the detected peak voltage or width. Alternatively, the depth of width of a notch

6   that follows the reverse EMF pulse can be detected and used to control the applied

7   AC power.